

Title (en)
Wireless position measurement terminal and wireless position measurement system

Title (de)
Mobilfunkortungsendgerät und Mobilfunkortungssystem

Title (fr)
Terminal et système de localisation sans fil

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Application
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Abstract (en)
A wireless position measurement terminal, a wireless position measurement system, and a method for performing delay profile calculation window sizing in a wireless position measurement system, are disclosed. The terminal (1) includes a delay profile calculating circuit (21), and a window setter (22) connected to the delay profile calculating circuit that varies a range for a delay profile calculating window according to at least one information item within a remote received signal. The terminal may additionally include a memory circuit (13) that stores positional information, wherein the window setter (22) changes the range according to a correlation of the positional information and the information item. The system includes the terminal (1), and at least three base stations (2, 3, 4), wherein at least one of the base stations provides the remote received signal to the terminal. The method includes the steps of receiving the remote signal, including the information item, sizing of a delay profile calculation window according to the information item, estimating of propagation distances between the terminal and each base station by a calculating of a delay profile of each base station, and triangulating of the then-present location of the terminal based on propagation distances. <IMAGE>

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